

**Appendix Table 5-42****S&E articles in engineering, by coauthorship attribute and selected region/country/economy: 2000–13**

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
World														
Total articles	126,963	133,634	137,055	154,017	191,260	235,039	251,582	276,678	295,420	315,531	343,698	390,719	421,932	434,503
with multiple institutions	41,845	39,741	46,864	69,725	90,088	115,907	126,776	136,468	144,775	157,134	171,470	196,900	214,198	224,852
with domestic institutions only	114,326	121,516	122,912	133,204	165,979	203,685	217,750	239,711	256,948	273,105	297,095	339,988	365,881	373,810
with international institutions	12,637	12,118	14,143	20,813	25,281	31,354	33,832	36,967	38,472	42,426	46,603	50,731	56,051	60,693
Canada														
Total articles	4,687	4,558	5,382	6,325	7,983	9,858	9,538	10,691	10,592	10,969	12,158	11,533	12,162	11,574
with multiple institutions	1,933	1,755	2,193	3,360	4,411	5,469	5,592	5,945	5,787	6,234	6,892	6,712	7,200	7,065
with domestic institutions only	3,479	3,461	4,072	4,266	5,320	6,683	6,184	7,008	6,948	6,972	7,729	7,177	7,457	6,729
with international institutions	1,208	1,097	1,310	2,059	2,663	3,175	3,354	3,683	3,644	3,997	4,429	4,356	4,705	4,845
Mexico														
Total articles	668	743	840	993	1,306	1,447	1,766	1,626	1,848	2,040	2,312	2,137	2,436	2,418
with multiple institutions	336	330	481	667	856	955	1,159	1,038	1,271	1,408	1,569	1,464	1,735	1,724
with domestic institutions only	463	553	569	619	848	964	1,182	1,105	1,191	1,351	1,539	1,430	1,600	1,567

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	205	190	271	374	458	483	584	521	657	689	773	707	836	851
United States														
Total articles	36,727	34,363	37,643	41,923	47,197	56,137	55,369	54,443	55,136	56,238	60,774	60,945	62,208	61,966
with multiple institutions	14,028	12,532	15,517	21,802	26,116	32,873	33,749	32,612	31,769	32,392	34,952	35,292	36,633	37,802
with domestic institutions only	31,381	29,678	31,713	33,427	37,284	43,420	41,770	40,846	41,470	41,685	44,981	44,619	44,645	42,902
with international institutions	5,346	4,685	5,930	8,496	9,913	12,717	13,599	13,597	13,666	14,553	15,793	16,326	17,563	19,064
Argentina														
Total articles	387	450	445	484	465	541	611	595	735	755	882	765	918	782
with multiple institutions	192	200	192	305	327	362	404	402	503	524	576	559	653	596
with domestic institutions only	283	338	341	308	270	335	374	362	451	451	574	449	546	461
with international institutions	104	112	104	176	195	206	237	233	284	304	308	316	372	321
Brazil														
Total articles	1,631	1,654	1,712	2,470	2,632	3,036	3,723	3,282	4,141	4,475	5,218	4,692	5,716	5,791
with multiple institutions	782	760	823	1,514	1,719	1,949	2,366	2,096	2,729	2,928	3,467	3,220	3,856	3,899
with domestic institutions only	1,264	1,347	1,349	1,915	1,941	2,278	2,847	2,483	3,109	3,415	3,996	3,488	4,280	4,317
with international institutions	367	307	363	555	691	758	876	799	1,032	1,060	1,222	1,204	1,436	1,474
Chile														
Total articles	162	175	203	259	222	360	374	367	512	569	570	496	705	696

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	82	76	106	174	156	265	252	260	362	422	420	354	563	548
with domestic institutions only	103	121	134	149	114	177	198	178	249	278	269	241	286	298
with international institutions	59	54	69	110	108	183	176	189	263	291	301	255	419	398
Austria														
Total articles	650	707	749	968	1,176	1,509	1,525	1,804	2,024	2,013	2,224	2,138	2,559	2,246
with multiple institutions	343	317	399	602	780	1,005	1,032	1,203	1,349	1,413	1,548	1,432	1,756	1,576
with domestic institutions only	391	462	445	524	619	846	830	946	1,089	1,020	1,156	1,159	1,418	1,169
with international institutions	259	245	304	444	557	663	695	858	935	993	1,068	979	1,141	1,077
Belgium														
Total articles	956	1,081	1,031	1,238	1,515	1,915	1,877	2,279	2,459	2,629	2,682	2,961	3,113	3,024
with multiple institutions	470	459	505	784	994	1,297	1,274	1,576	1,699	1,819	1,900	2,108	2,190	2,250
with domestic institutions only	606	759	665	656	804	1,012	964	1,222	1,268	1,363	1,295	1,438	1,494	1,371
with international institutions	350	322	366	582	711	903	913	1,057	1,191	1,266	1,387	1,523	1,619	1,653
Czech Republic														
Total articles	459	545	542	690	820	1,323	1,509	1,662	1,988	2,153	2,630	2,788	3,142	3,280
with multiple institutions	260	283	262	402	474	709	806	806	1,063	1,103	1,166	1,245	1,495	1,571
with domestic institutions only	279	351	366	423	493	892	1,033	1,183	1,426	1,580	2,030	2,141	2,396	2,430



National Science Board | Science & Engineering Indicators 2016

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	180	194	176	267	327	431	476	479	562	573	600	647	746	850
Denmark														
Total articles	639	612	612	682	887	1,065	1,094	1,374	1,262	1,574	1,585	1,876	2,073	2,216
with multiple institutions	321	289	369	444	564	666	745	929	857	1,077	1,116	1,316	1,404	1,532
with domestic institutions only	387	389	335	377	461	584	567	688	609	763	731	893	1,059	1,090
with international institutions	252	223	277	305	426	481	527	686	653	811	854	983	1,014	1,126
Finland														
Total articles	1,011	1,074	1,148	1,345	1,620	1,942	1,801	1,961	1,816	1,979	2,134	2,116	2,308	2,508
with multiple institutions	335	390	441	685	832	1,047	1,001	1,173	1,086	1,199	1,340	1,308	1,512	1,692
with domestic institutions only	832	851	902	950	1,154	1,364	1,287	1,286	1,185	1,251	1,228	1,255	1,259	1,294
with international institutions	179	223	246	395	466	578	514	675	631	728	906	861	1,049	1,214
France														
Total articles	5,431	5,507	5,673	6,684	7,667	9,168	10,163	10,916	11,452	12,453	12,461	13,357	14,352	14,317
with multiple institutions	2,763	2,608	2,960	4,392	5,175	6,319	6,933	7,565	8,156	9,103	9,253	10,153	10,971	11,329
with domestic institutions only	3,806	3,946	4,004	4,142	4,656	5,524	6,124	6,483	6,668	7,034	7,043	7,238	7,887	7,320
with international institutions	1,625	1,561	1,669	2,542	3,011	3,644	4,039	4,433	4,784	5,419	5,418	6,119	6,465	6,997
Germany														
Total articles	7,614	8,288	8,264	9,683	10,552	12,964	12,745	14,426	14,595	15,306	15,664	16,524	18,096	17,108

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	3,224	3,520	3,454	5,251	6,002	7,525	7,391	8,229	8,383	9,110	9,362	9,915	10,791	10,822
with domestic institutions only	5,650	6,239	6,103	6,491	7,050	8,455	8,258	9,292	9,584	9,767	9,886	10,356	11,645	10,287
with international institutions	1,964	2,049	2,161	3,192	3,502	4,509	4,487	5,134	5,011	5,539	5,778	6,168	6,451	6,821
Greece														
Total articles	838	914	967	1,044	1,383	1,732	2,069	2,258	2,149	2,197	2,387	2,379	2,517	2,324
with multiple institutions	335	385	418	533	733	977	1,159	1,186	1,191	1,278	1,325	1,367	1,456	1,377
with domestic institutions only	624	676	713	738	983	1,186	1,434	1,611	1,458	1,478	1,608	1,559	1,605	1,426
with international institutions	214	238	254	306	400	546	635	647	691	719	779	820	912	898
Hungary														
Total articles	474	434	431	477	535	746	686	851	881	775	933	880	1,011	1,039
with multiple institutions	225	184	210	279	317	482	426	495	494	450	519	508	592	591
with domestic institutions only	306	307	287	283	299	428	407	541	582	477	627	548	634	687
with international institutions	168	127	144	194	236	318	279	310	299	298	306	332	377	352
Ireland														
Total articles	303	374	353	435	608	877	735	1,000	951	972	1,134	1,090	1,097	1,148
with multiple institutions	118	185	168	266	358	521	433	537	553	585	728	688	718	790
with domestic institutions only	219	261	244	238	366	509	405	620	557	534	589	574	546	557

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	84	113	109	197	242	368	330	380	394	438	545	516	551	591
Italy														
Total articles	3,873	4,192	4,406	5,140	5,907	7,006	7,852	8,425	8,949	9,851	10,122	10,652	11,686	12,042
with multiple institutions	1,670	1,855	2,183	3,013	3,565	4,275	4,844	5,078	5,387	5,902	6,089	6,671	7,229	7,664
with domestic institutions only	3,095	3,320	3,351	3,648	4,141	4,842	5,439	5,727	6,074	6,684	6,657	6,841	7,518	7,593
with international institutions	778	872	1,055	1,492	1,766	2,164	2,413	2,698	2,875	3,167	3,465	3,811	4,168	4,449
Netherlands														
Total articles	1,963	1,918	1,880	2,261	2,668	3,290	3,189	3,839	3,807	4,165	4,502	4,278	4,836	4,364
with multiple institutions	971	900	941	1,440	1,820	2,237	2,255	2,617	2,651	2,868	3,098	3,006	3,464	3,162
with domestic institutions only	1,311	1,322	1,270	1,238	1,384	1,786	1,671	2,007	1,971	2,176	2,290	2,087	2,312	2,042
with international institutions	652	596	610	1,023	1,284	1,504	1,518	1,832	1,836	1,989	2,212	2,191	2,524	2,322
Poland														
Total articles	1,353	1,773	1,645	1,531	2,548	2,842	3,057	3,644	4,200	4,021	4,686	4,504	5,377	5,081
with multiple institutions	516	605	613	717	1,131	1,411	1,531	1,783	2,079	1,846	1,901	1,796	2,081	2,179
with domestic institutions only	1,001	1,364	1,268	1,059	1,846	2,065	2,254	2,754	3,229	3,125	3,742	3,589	4,427	3,968
with international institutions	352	409	377	472	702	777	803	890	971	896	944	915	950	1,113
Portugal														
Total articles	680	674	794	817	1,270	1,433	1,975	1,849	2,015	2,222	2,600	2,600	2,979	3,153

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	331	321	363	554	869	1,035	1,406	1,314	1,485	1,592	1,930	1,923	2,178	2,361
with domestic institutions only	485	486	596	490	814	850	1,248	1,162	1,257	1,415	1,539	1,547	1,758	1,782
with international institutions	195	188	198	327	456	583	727	687	758	807	1,061	1,053	1,221	1,371
Romania														
Total articles	548	555	463	548	754	1,183	1,181	1,928	2,295	2,993	3,368	2,840	3,236	3,245
with multiple institutions	224	213	197	347	488	716	706	1,109	1,259	1,431	1,647	1,443	1,594	1,665
with domestic institutions only	383	416	330	301	424	757	745	1,317	1,698	2,367	2,610	2,129	2,379	2,437
with international institutions	165	139	133	247	330	426	436	611	597	626	758	711	857	808
Spain														
Total articles	2,003	2,471	2,753	2,933	3,712	4,489	5,336	5,840	6,074	7,059	7,663	8,127	8,937	8,849
with multiple institutions	878	1,036	1,295	1,698	2,122	2,734	3,202	3,485	3,721	4,380	4,735	5,289	5,796	5,863
with domestic institutions only	1,456	1,846	2,027	1,952	2,482	2,915	3,491	3,738	3,809	4,362	4,719	4,902	5,437	5,181
with international institutions	547	625	726	981	1,230	1,574	1,845	2,102	2,265	2,697	2,944	3,225	3,500	3,668
Sweden														
Total articles	1,802	1,787	1,710	1,972	2,425	2,766	2,809	3,079	2,985	3,279	3,631	3,864	4,395	4,364
with multiple institutions	803	765	764	1,133	1,460	1,734	1,800	2,026	1,952	2,228	2,411	2,539	2,918	2,928
with domestic institutions only	1,335	1,294	1,220	1,264	1,536	1,675	1,666	1,716	1,734	1,778	1,959	2,061	2,326	2,254

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	467	493	490	708	889	1,091	1,143	1,363	1,251	1,501	1,672	1,803	2,069	2,110
United Kingdom														
Total articles	8,337	7,882	7,437	8,557	9,877	11,870	11,728	12,777	13,015	13,620	13,993	14,361	15,358	15,357
with multiple institutions	3,358	3,272	3,136	4,660	5,587	7,106	7,099	7,584	7,617	8,275	8,506	9,194	9,868	10,265
with domestic institutions only	6,450	5,993	5,491	5,595	6,287	7,248	6,950	7,578	7,720	7,770	7,762	7,685	8,028	7,642
with international institutions	1,887	1,889	1,946	2,962	3,590	4,622	4,778	5,199	5,295	5,850	6,231	6,676	7,330	7,715
Norway														
Total articles	487	587	523	622	764	1,011	1,142	1,361	1,260	1,600	1,658	1,725	2,176	2,119
with multiple institutions	233	237	240	418	493	692	771	911	856	1,132	1,085	1,171	1,452	1,478
with domestic institutions only	328	448	356	354	436	602	657	803	688	859	952	917	1,260	1,105
with international institutions	159	139	167	268	328	409	485	558	572	741	706	808	916	1,014
Russia														
Total articles	3,180	3,851	4,069	4,251	4,780	5,152	4,621	5,141	5,438	5,710	5,809	6,013	6,695	7,201
with multiple institutions	1,170	1,239	1,160	1,549	1,813	2,154	2,124	2,198	2,271	2,484	2,502	2,639	3,076	3,402
with domestic institutions only	2,400	3,023	3,338	3,251	3,669	3,903	3,409	3,941	4,259	4,496	4,663	4,797	5,283	5,695
with international institutions	780	828	731	1,000	1,111	1,249	1,212	1,200	1,179	1,214	1,146	1,216	1,412	1,506
Switzerland														
Total articles	1,243	1,188	1,217	1,459	1,837	2,242	2,349	2,546	2,723	2,780	3,035	3,103	3,428	3,366

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	622	580	635	879	1,172	1,457	1,571	1,712	1,825	1,952	2,003	2,115	2,352	2,395
with domestic institutions only	749	752	712	751	911	1,115	1,105	1,182	1,249	1,192	1,436	1,427	1,542	1,467
with international institutions	494	436	505	708	926	1,127	1,244	1,364	1,474	1,588	1,599	1,676	1,886	1,899
Iran														
Total articles	363	448	592	977	1,458	1,975	2,716	3,445	4,779	5,696	7,580	8,950	10,207	9,192
with multiple institutions	141	186	236	505	793	1,063	1,373	1,728	2,273	2,911	3,904	4,625	5,492	5,301
with domestic institutions only	262	348	446	704	1,079	1,467	2,193	2,810	4,021	4,749	6,312	7,428	8,452	7,273
with international institutions	101	100	146	273	379	508	523	635	758	947	1,268	1,522	1,755	1,919
Israel														
Total articles	800	765	768	867	1,136	1,161	1,287	1,242	1,306	1,384	1,280	1,269	1,261	1,285
with multiple institutions	356	307	359	447	581	640	731	707	690	768	721	719	752	772
with domestic institutions only	572	571	523	569	793	752	840	795	874	897	809	786	754	767
with international institutions	228	194	245	298	343	409	447	447	432	487	471	483	507	518
Saudi Arabia														
Total articles	415	383	345	447	434	500	523	619	599	907	1,110	1,755	2,191	2,840
with multiple institutions	157	124	118	170	188	237	255	285	307	487	734	1,226	1,578	2,051
with domestic institutions only	293	284	258	317	306	335	325	408	363	510	484	674	778	1,019

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	122	99	87	130	128	165	198	211	236	397	626	1,081	1,413	1,821
Turkey														
Total articles	926	1,032	1,374	1,631	2,483	2,640	3,163	3,669	3,839	4,239	4,339	4,420	5,275	5,827
with multiple institutions	407	387	580	795	1,260	1,399	1,675	1,914	2,118	2,293	2,355	2,475	3,004	3,414
with domestic institutions only	726	842	1,122	1,246	1,995	2,111	2,552	2,996	3,094	3,420	3,412	3,492	4,152	4,589
with international institutions	200	190	252	385	488	529	611	673	745	819	927	928	1,123	1,238
Egypt														
Total articles	650	865	853	821	1,223	1,075	1,182	1,320	1,400	1,673	1,792	1,867	2,228	2,603
with multiple institutions	228	244	333	411	610	595	653	705	768	987	1,091	1,180	1,428	1,725
with domestic institutions only	503	726	658	619	948	789	863	943	980	1,097	1,137	1,133	1,348	1,471
with international institutions	147	139	195	202	275	286	319	377	420	576	655	734	880	1,132
South Africa														
Total articles	374	366	478	489	628	863	811	1,054	742	1,127	1,124	1,375	1,516	1,657
with multiple institutions	150	136	177	205	322	475	401	549	417	630	615	751	856	944
with domestic institutions only	280	276	371	360	432	589	566	725	495	726	729	892	996	1,037
with international institutions	94	90	107	129	196	274	245	329	247	401	395	483	520	620
China														
Total articles	14,206	18,157	17,244	21,967	35,457	52,594	61,667	70,208	81,363	89,521	102,244	137,950	148,301	158,618



National Science Board | Science & Engineering Indicators 2016

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	4,202	3,331	5,119	9,105	14,943	23,308	27,916	31,921	37,967	43,016	50,277	67,569	73,356	79,522
with domestic institutions only	12,790	16,888	15,441	19,204	31,756	47,863	56,319	63,985	74,052	81,162	92,131	126,152	135,297	143,558
with international institutions	1,416	1,269	1,803	2,763	3,701	4,731	5,348	6,223	7,311	8,359	10,113	11,798	13,004	15,060
India														
Total articles	3,472	3,390	3,661	4,445	5,198	6,454	7,721	8,547	10,052	11,475	12,047	15,489	18,081	20,692
with multiple institutions	1,323	1,048	1,339	2,123	2,672	3,325	4,101	4,478	5,271	6,204	6,623	8,403	9,684	10,730
with domestic institutions only	2,929	3,024	3,210	3,691	4,342	5,402	6,471	7,211	8,565	9,744	10,098	13,256	15,658	17,938
with international institutions	543	366	451	754	856	1,052	1,250	1,336	1,487	1,731	1,949	2,233	2,423	2,754
Japan														
Total articles	14,699	14,935	15,448	17,171	19,052	20,595	22,003	23,426	22,372	23,187	23,418	23,279	22,824	22,920
with multiple institutions	6,145	5,537	6,281	9,407	10,728	12,377	13,546	14,139	13,019	13,506	13,615	13,940	13,702	13,943
with domestic institutions only	13,019	13,334	13,599	14,514	15,994	16,724	17,926	19,334	18,443	19,184	19,253	18,724	18,239	18,177
with international institutions	1,680	1,601	1,849	2,657	3,058	3,871	4,077	4,092	3,929	4,003	4,165	4,555	4,585	4,743
Malaysia														
Total articles	355	228	241	352	784	897	1,078	1,404	2,199	2,728	3,333	5,448	6,621	8,181
with multiple institutions	68	91	114	192	387	499	604	768	1,088	1,397	1,868	3,157	3,955	4,938
with domestic institutions only	303	162	165	222	583	684	767	993	1,672	2,108	2,423	4,027	4,719	5,860



National Science Board | Science & Engineering Indicators 2016

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with international institutions	52	66	76	130	201	213	311	411	527	620	910	1,421	1,902	2,321
Singapore														
Total articles	1,596	1,654	1,581	2,116	2,626	3,008	2,705	3,090	3,018	3,229	3,336	3,356	3,596	3,668
with multiple institutions	546	585	657	1,065	1,336	1,754	1,654	1,841	1,869	2,020	2,102	2,148	2,377	2,617
with domestic institutions only	1,249	1,333	1,178	1,464	1,873	2,029	1,670	1,931	1,830	1,893	1,861	1,839	1,896	1,761
with international institutions	347	321	403	652	753	979	1,035	1,159	1,188	1,336	1,475	1,517	1,700	1,907
South Korea														
Total articles	4,467	5,068	5,395	6,345	8,116	9,785	10,981	12,668	13,110	13,208	14,296	16,048	16,660	17,589
with multiple institutions	1,888	2,125	2,627	3,883	5,027	6,223	6,915	7,896	7,902	7,994	8,791	10,056	10,460	11,099
with domestic institutions only	3,781	4,305	4,390	4,904	6,315	7,416	8,371	9,898	10,384	10,350	11,143	12,563	12,980	13,684
with international institutions	686	763	1,005	1,441	1,801	2,369	2,610	2,770	2,726	2,858	3,153	3,485	3,680	3,905
Taiwan														
Total articles	3,081	3,535	3,457	4,054	5,278	6,162	7,052	8,264	8,519	8,996	9,889	10,429	10,687	11,406
with multiple institutions	988	1,096	1,193	1,890	2,636	3,403	3,952	4,516	4,802	5,103	5,676	6,088	6,056	6,634
with domestic institutions only	2,820	3,289	3,185	3,590	4,756	5,494	6,286	7,322	7,509	7,952	8,694	9,137	9,316	9,838
with international institutions	261	246	272	464	522	668	766	942	1,010	1,044	1,195	1,292	1,371	1,568
Australia														
Total articles	2,348	2,232	2,551	2,908	3,270	4,252	4,548	5,603	5,479	5,711	6,296	7,282	7,863	8,545



National Science Board | Science & Engineering Indicators 2016

Region/country/economy and coauthorship attribute	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
with multiple institutions	945	811	1,184	1,591	1,930	2,504	2,740	3,253	3,266	3,547	3,958	4,626	5,042	5,630
with domestic institutions only	1,785	1,724	1,781	1,832	1,976	2,629	2,788	3,560	3,243	3,203	3,463	4,065	4,301	4,463
with international institutions	563	508	770	1,076	1,294	1,623	1,760	2,043	2,236	2,508	2,833	3,217	3,562	4,082
New Zealand														
Total articles	301	384	289	384	471	528	681	792	794	817	886	1,019	1,037	944
with multiple institutions	139	152	136	229	291	343	453	500	441	476	577	662	699	628
with domestic institutions only	204	268	202	211	253	268	341	450	494	478	447	499	520	471
with international institutions	97	116	87	173	218	260	340	342	300	339	439	520	517	473

NOTES: Article counts refer to publications from a selection of journals, books, and conference proceedings in S&E from Scopus. Articles are classified by their year of publication and are assigned to a region/country/economy on the basis of the institutional address(es) listed in the article. Articles are credited on a whole-count basis (i.e., each collaborating country/economy is credited with one count). Countries/economies with less than 1% of internationally coauthored articles in 2013 are omitted. Articles with multiple institutions are counts of articles with two or more institutional addresses. Articles with domestic institutions only are counts of articles with one or more institutional addresses all within a single country/economy. Articles with international institutions are counts of articles with institutional addresses from more than one country/economy.

SOURCES: National Science Foundation, National Center for Science and Engineering Statistics; SRI International; Science-Metrix; Elsevier, Scopus abstract and citation database (www.scopus.com).
Science and Engineering Indicators 2016